



# PROGRAM

INTERNATIONAL  
SCIENTIFIC AND PRACTICAL  
CONFERENCE

**"FORESTRY, WOODWORKING AND  
LANDSCAPING: STATUS,  
ACHIEVEMENTS AND PROSPECTS"**

**October 24-25, 2023**



**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE  
DEPARTMENT OF SCIENCE AND EDUCATION OF THE  
KHARKIV REGIONAL MILITARY ADMINISTRATION  
STATE BIOTECHNOLOGICAL UNIVERSITY**

**VYTAUTAS MAGNUS UNIVERSITY (LITHUANIA)**

**HIGHER TECHNICAL SCHOOL IN KATOWICE (POLAND)**

**KAZAKH NATIONAL AGRARIAN RESEARCH UNIVERSITY  
(KAZAKHSTAN)**

**UKRAINIAN RESEARCH INSTITUTE OF FORESTRY AND  
FOREST MELIORATION NAMED AFTER G. M. VYSOTSKY**

**CHERNIHIV POLYTECHNIC NATIONAL UNIVERSITY**

**LUTSK NATIONAL TECHNICAL UNIVERSITY**

**"FORESTRY, WOODWORKING AND  
LANDSCAPING: STATUS,  
ACHIEVEMENTS AND PROSPECTS"**

**PROGRAM OF  
INTERNATIONAL SCIENTIFIC AND PRACTICAL  
CONFERENCE**

*October 24-25, 2023*

**Kharkiv, Ukraine**

**2023**

## ORGANIZING COMMITTEE OF THE CONFERENCE

**Head of the organizing committee:** *D.Sc., Prof. Mykhaylov Valerii, Vice Rector for Scientific Affairs of the State Biotechnological University, Honored Worker of Science and Technology of Ukraine, laureate of the State Prize of Ukraine.*

**Deputy head of the organizing committee:** *Ph.D., Associate Prof. Serik Maksym, Vice Rector for Academic Affairs of the State Biotechnological University; D.Sc., Prof. Suska Anastasiia, Dean of the Faculty of Forestry, Woodworking Technologies and Land Management of the State Biotechnological University.*

**Members of the organizing committee:** *D.Sc., Prof. Karpets Yurii, Head of the Department of Forestry and Hunting of the State Biotechnological University;*  
*D.Sc., Prof. Koshkalda Iryna, Head of the Department of Land Management and Cadastre of the State Biotechnological University;*  
*Ph.D., Associate Prof. Bila Yuliia, Head of the Department of Forest Crops, Land Reclamation and Horticulture of the State Biotechnological University;*  
*Ph.D., Associate Prof. Diakonov Vasyl, Head of the Department of Woodworking Technologies and Systems Engineering of Forest Complex of the State Biotechnological University;*  
*Ph.D., Associate Prof. Dombrovska Olena, Associate Prof. of the Department of Land Management and Cadastre of the State Biotechnological University;*  
*Ph.D., Associate Prof. Pozniakova Svitlana, Associate Prof. of the Department of Forest Crops, Land Reclamation and Horticulture of the State Biotechnological University;*  
*D.Sc., Associate Prof. Shevchenko Serhii, Associate Prof. of the Department of Woodworking Technologies and Systems Engineering of Forest Complex of the State Biotechnological University, D.Sc.;*  
*Ph.D., Associate Prof. Nazarenko Vitalii, Associate Prof. of the Department of Forest Crops, Land Reclamation and Horticulture of the State Biotechnological University;*  
*Associate Prof. Kerteshev Talgat, Dean of the Faculty of Water, Land and Forest Resources of the Kazakh National Agrarian Research University (Kazakhstan) ;*

*Prof. Dr. **Vitas Marozas**, Dean of the Faculty of Forest Sciences and Ecology of Vytautas Magnus University Agriculture Academy (Lithuania);*

*Ph.D., Senior Researcher **Kobets Oleksii**, Learned Secretary of the Ukrainian Research Institute of Forestry and Forest Melioration named after G. M. Vysotsky;*

*Ph.D., Associate Prof. **Volianskyi Viktor**, Head of the Department of Forestry of the Lutsk National Technical University;*

*Ph.D., Associate Prof. **Selinnyi Mykhailo**, Head of the Department of Agrarian Technologies and Forestry of the Chernihiv Polytechnic National University.*

## **CONFERENCE SCHEDULE (Eastern European Time, UTC +2)**

### **October 24**

10<sup>00</sup> – 12<sup>00</sup> – plenary session;

13<sup>00</sup> – 15<sup>00</sup> – section work.

### **October 25**

10<sup>00</sup> – 14<sup>00</sup> – section work;

14<sup>00</sup> – closing of the conference.

**Google Meet meeting link:**

<https://meet.google.com/abf-brpm-xsm>

## **REGULATIONS**

Report at the plenary session - up to 15 minutes.

Report in sections - up to 10 minutes.

Speech - up to 15 minutes.

## PROGRAM OF MEETINGS

### Plenary session

October 24, 10<sup>00</sup> – 12<sup>00</sup> (UTC +2)

#### Zoom meeting link:

[https://btu-kharkiv-ua.zoom.us/j/88961552684?  
pwd=VTFMaHFNSWRRVXZvRzFHTXk3Q05oUT09](https://btu-kharkiv-ua.zoom.us/j/88961552684?pwd=VTFMaHFNSWRRVXZvRzFHTXk3Q05oUT09)

Conference ID: 889 6155 2684

Access code: 483288

### *OPENING*

Information of the Dean of the Faculty of Forestry, Woodworking Technologies and Land Management of the State Biotechnological University, D.Sc., Prof. Anastasiia SUSKA

**Head of the organizing committee of the conference, V.,**

### *Greeting*

D.Sc., Prof. **Andrii  
ODARCHENKO**

Chairman of the Academic Council of the State Biotechnological University, People's Deputy of Ukraine

Ph.D. **Andrii  
KUDRIASHOV**

Acting Rector of the State Biotechnology University

Prof. Dr. **Vitas  
MAROZAS**

Dean of the Faculty of Forest Sciences and Ecology of Vytautas Magnus University Agriculture Academy (Lithuania)

D.Sc., Prof. **Dani  
SARSEKOVA**

Head of the Department of Forest Resources, Hunting and Fisheries of the Kazakh National Agrarian Research University

D.Sc., Prof. **Valerii  
MYKHAYLOV**

Vice Rector for Scientific Affairs of the State Biotechnological University, Honored Worker of Science and Technology of Ukraine, laureate of the State Prize of Ukraine

## REPORTS:

### **1. *Field-Map SOFTWARE AND MEASUREMENT COMPLEX IS AN INNOVATIVE TECHNOLOGY FOR DIGITALIZATION OF FORESTRY***

Ph.D., Senior Researcher **Buksha Ihor**

Ukrainian Research Institute of Forestry and  
Forest Melioration named after G. M. Vysotsky

### **2. *WILL GENETIC IMPROVEMENT RESCUE OUR FORESTS?***

Prof. **Danusevičius Darius**

Vytautas Magnus University (Lithuania)

### **3. *AGROFORESTRY MELIORATION MONITORING OF THE FOREST COMPONENT OF AGROLANDSCAPES***

D.Sc., Prof. **Yukhnovskyi Vasyl**

National University of Life and  
Environmental Sciences of Ukraine

### **4. *PATHOLOGIES AND MONITORING OF *Pinus sylvestris* L. IN THE CONDITIONS OF THE PERGANSK AND KOPYSHCHAN NATURE CONSERVATION RESEARCH DEPARTMENTS OF THE POLISKY NATURE RESERVE***

Ph.D., Associate Prof. **Levchenko Valerii**

Malyn Vocational College

### **5. *INDUSTRY STANDARDS: IMPLEMENTATION AND USE***

D.Sc., Prof. **Rebezniuk Ihor**

National Forestry University of Ukraine

### **6. *RESEARCH OF MECHANISMS OF RESISTANCE AND DETERMINATION OF GENETIC MARKERS OF RESISTANCE OF TREE SPECIES TO FOREST DISEASES***

Ph.D., Senior Researcher **Davydenko Kateryna**

Swedish University of Agricultural Sciences

**Sections 1.**  
**INNOVATIVE RESEARCH IN**  
**FORESTRY, FOREST USE AND HUNTING**

**Head of the section** – D.Sc., Prof. **Karpets Yurii**, Head of the Department of Forestry and Hunting of the State Biotechnological University.

**Secretary** – **Radchenko Olha**, Assistant Lecturer of the Department of Forestry and Hunting of the State Biotechnological University.

**Google Meet meeting link:** <http://meet.google.com/jnp-jspm-zom>

*October 24, 2023. 13<sup>00</sup> – 15<sup>00</sup> (UTC +2)*

*October 25, 2023. 10<sup>00</sup> – 14<sup>00</sup> (UTC +2)*

**1. INTERRELATIONSHIPS OF INDIVIDUALS OF EUROPEAN ROE DEER AND INFLUENCE OF EXTERNAL FACTORS ON POPULATION DENSITY**

Candidate of Agricultural sciences **Yu. Borodin**

State Biotechnological University

Candidate of Agricultural science, Assoc. Prof. **E. Zhilkibayeva**

Kazakh National Agrarian Research University

Doctor of Biological sciences, Prof. **Yu. Karpets**

State Biotechnological University

**2. FOREST CERTIFICATION AS AN INSTRUMENT FOR SUSTAINABLE FOREST MANAGEMENT**

PhD, Senior Researcher **I. Buksha**

Ukrainian Research Institute of Forestry and Agroforestry named after H.M. Vysotskyi

Lect. Dr. **Daiva Tiškutė-Memgaudienė**

Vytautas Magnus University

**3. FIELD-MAP - AN INNOVATIVE TECHNOLOGY FOR DIGITALIZATION OF FORESTRY**

Ph.D, Senior Researcher **I. Buksha**

Dr. Hab., Prof. **Pasternak V.**

Ph.D, Senior Researcher **T. Pyvovar**

Leading Engineer **O. Radchenko**

Ukrainian Research Institute of Forestry and Agroforestry named after H.M. Vysotskyi

Ph.D **M. Cerny**

Institute of forest ecosystem research, Czech Republic

**4. IDENTIFICATION OF MOLECULAR MARKERS ASSOCIATED WITH FRAXINUS EXCELSIOR TOLERANT TO ASH DIEBACK**

**Ph.D., Senior Researcher K. Davydenko**

Swedish University of Agricultural Sciences

**5. OPTIMUM FOREST COVERAGE OF CATCHMENTS OF SMALL RIVERS IN FOREST-STEPPE**

Candidate of Agricultural sciences, Assoc. Prof. **V.V. Goroshko**

State Biotechnological University

Candidate of Agricultural science, Assoc. Prof. **F.A. Toktassynova**

Kazakh National Agrarian Research University

Lecturer **A.Yu. Gordiyashchenko**

State Biotechnological University

**6. THE FOREST ASSESSMENT CHARACTERISTICS OF OAK FORESTS OF THE VOLYN HIGHLANDS**

Ph.D., Associate Prof. **A. Novak**

Ukrainian National Forestry University

**7. METHODS OF INCREASE OF RESISTANCE AND PRODUCTIVITY OF WOODY PLANTS**

Doctor of Agricultural science, Professor **D.N. Sarsekova**

Kazakh National Agrarian Research University

Doctor of Biological sciences, Professor **Yu.V. Karpets**

State Biotechnological University

**8. TYPES OF HUNTING GROUNDS WHICH MAXIMUM ENSURE FEEDING AND PROTECTIVE CONDITIONS FOR *Lepus Europaeus Pall* IN THE LUBENSKY DISTRICT**

Ph.D. **Yu.M. Borodin**

State Biotechnological University

**9. CHALLENGES OF GLOBAL CLIMATE CHANGE TO FORESTRY, CHANGES IN IT AND FORESTRY MEASURES TO COUNTER THE CHALLENGES**

Senior Lecturer **S.M. Brylinskyi**

**V.V. Trentovsky**

Berezhny Agrotechnical Institute

**10. ON THE ISSUE OF USING NEEDLES TO OBTAIN NATURAL TEXTILE FIBERS**

Ph.D., Associate Prof. **O.P. Gerasimchuk**



Ph.D., Associate Prof. **O.L.Tkachuk**  
Lutsk National Technical University

**11. FEATURES OF THE TYPOLOGICAL STRUCTURE OF THE FORESTS OF THE "OLEKSANDRIVSKE FORESTRY" BRANCH OF THE "FORESTS OF UKRAINE" SE**

Lecturer **A.Yu. Gordiyashchenko**  
Ph.D., Associate Prof. **V.V. Horoshko**  
State Biotechnological University

**12. THE PLACE OF FORESTS IN THE STRUCTURE OF THE LAND STRUCTURES OF THE NORTHERN DONT'S TRIBUTARY CATCHMENTS**

Ph.D., Associate Prof. **V.V. Horoshko**  
Ph.D., Associate Prof. **Yu.M. Bila**  
Lecturer **A.Yu. Gordiyashchenko**  
State Biotechnological University

**13. SALICYLIC ACID IS A NATURAL ENVIRONMENTALLY SAFE INDUCER OF NON-SPECIFIC RESISTANCE AND BIOPRODUCTIVITY OF PINE SEEDLINGS**

D.Sc., Prof. **Yu.V. Karpets**  
Assistant Lecturer **O.S. Radchenko**  
Assistant Lecturer **D.A. Taraban**  
State Biotechnological University

**14. BIOLOGICAL METHODS OF PROTECTION OF Scots pine AGAINST THE PINE SILKWORM**

Ph.D. M.S. Karpovich  
Malyn Vocational College

**15. FORESTRY ASPECTS OF SEMI-FREE KEEPING OF HUNTING ANIMALS**

D.Sc., Associate Prof. **O.L. Kratyuk**  
Graduate student **N.A. Vaskevich**  
Graduate student **D.D. Gutsalyuk**  
Polis National University

**16. EUROPEAN BEAVER IN THE TERRITORY OF ZHYTOMYR REGION**

D.Sc., Associate Prof. **O.L. Kratyuk**  
Graduate student **V.A. Gerasymchuk**  
Polis National University

**17. PRODUCTIVITY OF OAK-PINE WOOD STANDS OF THE KIVERTSIV FORESTRY BRANCH OF THE "LISY UKRAINY" SE**

D.Sc., Prof. **V.G. Mazepa**

Ph.D., Associate Prof. **N.O. Tolstushko**  
Lutsk National Technical University  
**G.V. Gerasymchuk**  
Kivertsi National Nature Park "Tsumanska Pushcha"

**18. ASSESSMENT OF PROVIDING ECOSYSTEM SERVICES OF FOREST LANDSCAPES OF KHARKIV REGION**

D.Sc., Prof. **N.V. Maksimenko**  
Postgraduate **V.O. Voronin**  
Senior Lecturer **S.V. Burchenko**  
V. N. Karazin Kharkiv National University

**19. STUDY OF THE GROWTH OF THE PINE IN THE WOODLANDS OF THE BRANCH "ZMIEVSKE FORESTRY" OF SE "LISY UKRAINY"**

Ph.D., Associate Prof. **V.V. Nazarenko**  
Graduate student **I.R. Kovtun**  
State Biotechnological University

**20. DYNAMICS OF FORESTRY AND TAXATION INDICATORS OF MODAL ARTIFICIAL PINE STANDS OF THE SLOBOZHAN FORESTRY DISTRICT**

Dr. Hab., Prof. **V.P. Pasternak**  
Ph.D., Senior Researcher **T.S. Pivovar**  
Ukrainian Research Institute of Forestry and Agroforestry named after H. M. Vysotskyi  
Senior Lecturer **A.V. Garmash**  
State Biotechnological University

**21. PREDOMINANT FACTORS OF INJURY AND DAMAGE TO FOREST PLANTATIONS IN THE LOWLAND FORESTS OF UKRAINE**

Assistant Lecturer **O.S. Radchenko**  
Assistant Lecturer **D.A. Taraban**  
D.Sc., Prof. **Yu.V. Karpets**  
State Biotechnological University

**22. MONITORING OF THE POST-PYROGENIC CHANGE IN THE CONDITION OF DAMAGED PINE TREES BY MEANS OF REMOTE SENSING OF THE LAND**

Ph.D., Associate Prof. **S.G. Sydorenko**  
Ph.D., Associate Prof. **E.E. Melnyk**  
Ph.D., Associate Prof. **S.V. Sydorenko**  
Ukrainian Research Institute of Forestry and Agroforestry named after H.M. Vysotskyi

**23. USE OF MODERN TECHNOLOGIES IN THE DETECTION AND MONITORING OF FOREST FIRES**

Assistant Lecturer **D.A. Taraban**  
Assistant Lecturer **O.S. Radchenko**  
D.Sc., Prof. **Yu.V. Karpets**  
State Biotechnological University

**24. CATEGORIES OF THE STATE OF TREES UNDER RECREATION  
LOAD CONDITIONS**

Ph.D., Associate Prof. **O.V. Tokareva**  
National University of Bioresources and Nature Management of Ukraine

**Sections 2.**  
**ACTUAL PROBLEMS OF FOREST RESTORATION,  
FORESTRY, FOREST RECREATION**

**Head of the section** – Ph.D., Associate Prof. **Bila Yuliia**, Head of the Department of Forest Crops, Land Reclamation and Horticulture of the State Biotechnological University.

**Secretary** – **Harmash Anna**, Senior Lecturer of the Department of Forest Crops, Land Reclamation and Horticulture of the State Biotechnological University

**Google Meet meeting link:** <http://meet.google.com/sag-egmz-ohj>

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*October 25, 2023. 10<sup>00</sup> – 14<sup>00</sup> (UTC +2)*

**1. SOUTHERN LEFT-BANK UKRAINE FOREST-STEPPE FRESH PINE FOREST PHYTOMASS**

Associate prof., Ph.D. **Yu. M. Bila**  
State Biotechnological University  
Assoc. Prof. Dr. **Edgaras Linkevičius**  
Vytautas Magnus University

**2. SOUTH-EASTERN UKRAINE WOODLAND ECOSYSTEMS IN MILITARY INTERVENTION CONDITIONS**

Assoc. Prof., Ph.D. **V.V. Nazarenko**  
State Biotechnological University  
Assoc. Prof. Dr. **Donatas Jonikavičius**  
Vytautas Magnus University

**3. STATE OF THE SOUTHERN STEPPE PROTECTIVE LANES**

Ph.D., Associate Prof. **Yu.M. Bila**  
Lecturer **A.Yu. Gordiyashchenko**  
Ph.D., Associate Prof. **V.V. Horoshko**  
State Biotechnological University

**4. ASSESSMENT OF THE ENVIRONMENTAL IMPACT OF THE ACTIVITIES OF THE BRANCH "TETERIVSKY FORESTRY" OF THE KYIV REGION**

Student **M.O. Bobko**  
Ph.D., Associate Prof. **A.O. Pitsil**  
Polis National University

**5. STUDY OF CHANGES IN SOME AGRONOMIC INDICATORS OF TYPICAL BLACK SOIL AND ITS EROSIONED ANALOGUES UNDER THE INFLUENCE OF PROTECTIVE FOREST PLANTATIONS**

Ph.D., Associate Prof. **O.B. Velichko**  
State Biotechnological University

**6. AGRICULTURAL TECHNOLOGY OF CREATION AND GROWING OF FOREST PINE CULTURES IN THE "ZHOVTNEVE FORESTRY" BRANCH**

Ph.D., Associate Prof. **O.B. Velichko**  
Graduate student **A.K. Bazilevska**  
State Biotechnological University

**7. THE INFLUENCE OF HUMIC FERTILIZERS ON BIOMETRIC INDICATORS AND THE MASS OF ONE-YEAR-OLD PINE SEEDLINGS WITH A CLOSED ROOT SYSTEM AT SE "KHARKIV FOREST RESEARCH STATION"**

**O.M. Danylenko**  
SE "Kharkiv Forest Research Station"  
Postgraduate **V.S. Yushchyk**  
Ph.D., Senior Researcher **M.G. Rumyantsev**  
Ukrainian Research Institute of Forestry and Agroforestry named after H.M. Vysotskyi

**8. METHODOLOGICAL APPROACHES TO DETERMINING THE INFLUENCE OF LIGHTING OF THE MOTHER TENT ON THE STATE AND GROWTH OF NATURAL RENEWAL**

Ph.D. **M.M. Didenko**  
State Biotechnological University

**9. WOOD INTRODUCATORS AS A COMPONENT OF THE FOREST FUND**

Ph.D., Associate Prof. **T.M. Ivanyuk**  
Graduate student **A.V. Malovanyi**  
Polis National University

**10. INDICATORS OF STRENGTH OF PAULOWNIA TOMENTOSA (Thunb.) Steud, GROWN IN UKRAINE**

Ph.D., Associate Prof. **A.P. Ivanyuk**  
Ph.D., Associate Prof. **V.Ya. Zayachuk**  
Ph.D., Associate Prof. **O.T. Danchuk**  
National Forestry University of Ukraine

**11. FOREST RESOURCES OF VOLYN Oblast AND WAYS OF THEIR REPRODUCTION**

Ph.D., Associate Prof. **N.P. Kovalchuk**

Graduate student **A.M. Sai**

Lutsk National Technical University

**12. ANALYSIS OF THE MOST COMMON PHYTOPATHOGENIC DISEASES AND PESTS OF FOREST PLANTATIONS IN VOLYN**

Ph.D., Associate Prof. **N.P. Kovalchuk**

Graduate student **O.V. Bashchuk**

Graduate student **M.S. Chernyak**

Lutsk National Technical University

**13. PATHOLOGIES AND PYROGENIC STATE OF THE PINE FORESTS OF THE POLISH NATURE RESERVE**

Ph.D., Associate Prof. **V.B. Levchenko**

Malyn Vocational College

Teacher **A.A. Romanyuk**

Zhytomyr Agricultural Technical College

Postgraduate **M.V. Tkachenko**

National University of Bioresources and Nature Management of Ukraine

**14. NEW SPECIES OF SPONTANEOUS FLORA OF VASCULAR PLANTS OF THE DREVLANSKY NATURE RESERVE ACCORDING TO RESEARCH RESULTS IN 2023**

Ph.D., Senior Researcher **O.O. Orlov**

Polisky branch of the Ukrainian Research Institute of Forestry and Forest Melioration named after G. M. Vysotsky,

State University "Institute of Environmental Geochemistry of the National Academy of Sciences of Ukraine"

**15. MONITORING OF CHANGES IN THE PARAMETERS OF THE FOREST FUND TO DETECT THE DESCRIPTION OF THE IMPACT OF ECONOMIC ACTIVITIES ON THE ENVIRONMENT ON THE EXAMPLE OF SE "BARANIVSKE FORESTRY"**

Student **V.Yu. Polivchuk**

Ph.D., Associate Prof. **A.O. Pitsil**

Polis National University

**16. CURRENT CHALLENGES FOR FORESTRY OF UKRAINE**

D.Sc., Senior Researcher **S.P. Raspopina**

Ukrainian Research Institute of Forestry and Agroforestry named after H.M. Vysotskyi

**17. FEATURES OF THE GROWTH OF FOREST CULTURES OF THE MAIN FOREST-PRODUCING BREEDS CREATED BY DIFFERENT PLANTING MATERIALS IN THE CONDITIONS OF VINNYTSIA REGION**

Ph.D., Senior Researcher **M.G. Rummyantsev**

Senior Researcher **P.B. Tarnopilskyi**

Ukrainian Research Institute of Forestry and Agroforestry named after H. M. Vysotskyi

Senior Researcher **Yu.A. Yelisavenko**

SE "Vinnytsia Forest Research Station"

**18. FORECASTING THE INTENSITY OF EROSION PROCESSES IN LVIV CITY PARKS**

Ph.D., Associate Prof. **V.M. Skrobala**

Ph.D., Associate Prof. **O.I. Kaspruk**

Ph.D., Associate Prof. **M.P. Kurnytska**

Ph.D., Associate Prof. **S.B. Marutyak**

Ph.D., Associate Prof. **A.P. Dida**

Postgraduate **O.S. Dulyba**

National Forestry University of Ukraine

**19. VARIABILITY OF MORPHOLOGICAL CHARACTERISTICS OF THE LEAVES OF THE COMMON OAK (QUERCUS ROBUR L.) IN THE CONDITIONS OF VINNYTSIA REGION**

Research Scientist **L.V. Smashnyuk**

SE "Vinnytsia Forest Research Station"

**20. WEYMOUTH AND KRYUCHKOVATA PINES IN THE ARBORETUM PARK OF THE STATE BIOTECHNOLOGICAL UNIVERSITY**

Ph.D. **L.I. Tereshchenko**

Ph.D., Senior Researcher **S.A. Los**

Ukrainian Research Institute of Forestry and Agroforestry named after H. M. Vysotskyi

Ph.D. **V.G. Grigorieva**

SE "Kharkiv Forest Research Station"

**21. STATE OF AGRO-FOREST SYSTEMS AND AGRICULTURAL PRODUCTION IN THE CONDITIONS OF MILITARY INFLUENCE**

Senior Researcher **P.B. Tarnopilskyi**

Ukrainian Research Institute of Forestry and Agroforestry named after H.M. Vysotskyi

Ph.D. **V.P. Kolyada**

NSC "Institute of Soil Science and Agrochemistry named after O.N. Sokolovsky"

**22. APPROACHES TO EVALUATING THE POTENTIAL OF PLANT RAW MATERIALS**

Ph.D., Associate Prof **V.M. Tymchuk**

Ph.D., Associate Prof. **L.S. Osypova**

Eastern Ukrainian National University named after V. Dal

**23. FACTOR OF INTRODUCING BREEDS IN THE CONDITIONS OF GLOBAL CLIMATE CHANGE**

Postgraduate **O.D. Cheban**

Ph.D., Associate Prof. **O.T. Danchuk**

National Forestry University of Ukraine



**Sections 3.**  
**WOODWORKING TECHNOLOGIES AND  
SYSTEMS ENGINEERING OF FOREST COMPLEX**

**Head of the section** – D.Sc. Associate Prof. **Shevchenko Serhii**, Associate Prof. of the Department of Woodworking Technologies and Systems Engineering of Forest Complex of the State Biotechnological University,

**Secretary** – **Sosiedko Mariia**, Senior Lecturer of the Department of Woodworking Technologies and System Engineering of Forest Complex of the State Biotechnological University.

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*October 25, 2023, 10<sup>00</sup> – 14<sup>00</sup> (UTC +2)*

**1. WAYS OF REDUCING HEAT ENERGY EXPENDITURES FOR THE PROCESSES OF MIXING AND EXTRUSION OF BRIQUETTE MIXTURES**

Prof., D.Sc. **Anastasiia Suska**

State Biotechnological University

Assoc. Prof. Dr. **Almantas Kliučius**

Vytautas Magnus University

Assoc. Prof., Ph.D. **Vasyl Diakonov**

State Biotechnological University

**2. CONDITION BASED MAINTENANCE OF FOREST MACHINES HYDRAULIC DRIVES**

Ph.D., Associate Prof. **Voitov A.**

State Biotechnological University

Candidate of Agricultural science, Assoc. Prof. **A. Toktassynov**

Kazakh National Agrarian Research University

Ph.D. **Hovorukha O.**

State Biotechnological University

**3. DIAGNOSTIC PARAMETERS OF A VOLUME HYDRAULIC DRIVE INSTALLED ON FORESTRY MACHINES**

Ph.D., Associate Prof. **A. Voitov**

State Biotechnological University

#### ***4. BRIQUETTING AS AN ECOLOGICAL METHOD OF DISPOSAL OF FALLEN LEAVES***

Ph.D., Associate Prof. **I.M. Buzina**

Ph.D., Associate Prof. **O.A. Sheptur**

State Biotechnological University

#### ***5. METHOD OF DETERMINING THE BEARING CAPACITY OF A BRACKET FOR HOLDING TIMBER MATERIALS***

Ph.D., Associate Prof. **O.P. Gerasimchuk**

Ph.D., Associate Prof. **V.S. Puts**

Lutsk National Technical University

#### ***6. JUSTIFICATION OF THE COMPOSITION OF THE WOOD-POLYMER COMPOSITE***

Assistant Lecturer **O.V. Dyakonov**

State Biotechnological University

Teacher **V.S. Pyrizhok**

Kharkiv Mechanical Engineering College

#### ***7. PROSPECTS FOR THE DEVELOPMENT OF SUSTAINABLE USE OF FOREST BIOMASS FOR ENERGY PRODUCTION***

Ph.D., Associate Prof. **V.I. D'yakonov**

Ph.D., Associate Prof. **E.A. Kryshchok**

State Biotechnological University

#### ***8. STUDY OF THE INFLUENCE OF THE DIMENSIONAL AND QUALITY INDICATORS OF THE LOGS ON THE OUTPUT OF BARRELS FOR PALLETS***

D.Sc., Prof. **V.O. Mayevskiy**

Ph.D., Associate Prof. **O.B. Ferenc**

Ph.D. **Z.P. Kopynets**

Ph.D., Associate Prof. **V.M. Storozhuk**

National Forestry University of Ukraine

#### ***9. EFFICIENCY OF STRENGTHENING THE CUTTING PAIR OF THE CUTTING MACHINE BY HIGH-SPEED FRICTION***

Postgraduate **M.R. Oliinyk**

Ph.D., Associate Prof. **Yu.I. Ozymok**

Ph.D. **Yu.R. Kapral**

National Forestry University of Ukraine

**10. DYNAMICS OF WOOD IMPREGNATION AS THE BASIS OF SIMULATION OF ITS DRYING PROCESSES**

Student **O.V. Onyshchenko**

Student **A.Yu. Zastavnyi**

Student **R.M. Nikityuk**

Ph.D., Associate Prof. **S.M. Kulman**

Poliska National University

**11. THE MAIN PRINCIPLES OF THE NEW EDITIONS OF INDUSTRY STANDARDS OF UKRAINE**

D.Sc., Prof. **I.T. Rebezniuk**

National Forestry University of Ukraine

**12. BIO-EFFICIENCY OF WOODEN HOUSE BUILDING**

Senior Lecturer **M.O. Sosedko**

Senior Lecturer **O.M. Tupchiy**

State Biotechnological University

**13. ECO-STYLE – A MODERN DIRECTION IN DESIGN USING WOOD**

Senior Lecturer **M.O. Sosedko**

Senior Lecturer **O.M. Tupchiy**

State Biotechnological University

**14. DECLARATION OF WASTE OF THE WOOD PROCESSING ENTERPRISE IN THE LIGHT OF THE REFORM OF WASTE MANAGEMENT LEGISLATION**

Ph.D., Associate Prof. **V.M. Storozhuk**

D.Sc., Prof. **B.Ya. Kshivetskyi**

Ph.D., Associate Prof. **O.B. Ferenc**

Postgraduate **M.I. Maksymiv**

National Forestry University of Ukraine

Ph.D., Associate Prof. **R.A. Yatsyuk**

Lviv Polytechnic National University

**15. USE OF TRAPEZOIDAL AND RECTANGULAR CROSS-SECTION PREPARATION IN THE MANUFACTURE OF GLUED SHIELD ELEMENTS OF BUILDINGS**

D.Sc., Associate Prof. **S.A. Shevchenko**  
Assistant Lecturer **V.K. Pohorilyi**  
State Biotechnological University

**Sections 4.**  
**CURRENT STATE AND PROSPECTS OF DEVELOPMENT**  
**GARDEN AND PARK FARMING**

**Head of the section** – Ph.D. **Shvydenko Inna**, Associate Prof. of the Department of Forest Crops, Land Reclamation and Horticulture of the State Biotechnological University.

**Secretary** – **Kravchenko Liudmyla**, Senior Lecturer of the Department of Forest Crops, Land Reclamation and Horticulture of the State Biotechnological University

**Google Meet meeting link:** <http://meet.google.com/sag-egmz-ohj>

*October 24, 2023, 13<sup>00</sup> – 15<sup>00</sup> (UTC +2)*

*October 25, 2023, 10<sup>00</sup> – 14<sup>00</sup> (UTC +2)*

**1. SPECIES DIVERSITY OF PLANTATIONS OF GENERAL PURPOSE IN ZHYTOMYR**

Graduate student **P.M. Aliluyko**

Graduate student **A.L. Benchuk**

D.Sc., Prof. **O.F. Dunaevska**

Polis National University

**2. EXPERIENCE OF GREENING THE STEEP SLOPE OF A PRIVATE ESTATE**

**E.V. Balashova**

Landscape design studio "Green Angels"

Ph.D. **Shvidenko I.M.**

State Biotechnological University

**3. SANITARY CONDITION OF PLANTS OF THE GENUS *TILIA L.* IN THE CONDITIONS OF THE URBANIZED ENVIRONMENT**

Ph.D., Associate Prof. **A.G. Bulat**

State Biotechnological University

**4. STUDY OF THE COMPOSITION AND CONDITION OF THE GREEN PLANTS OF THE ZOOLOGICAL PARK "LANOVETSKY ZOOLOGICAL BOTANICAL GARDEN"**

Ph.D., Senior Researcher **Yu.G. Hryniuk**  
Berezhny Agrotechnical Institute

**5. RETROSPECTIVE OF THE DYNAMICS OF GREEN INFRASTRUCTURE  
IN TWO SMALL TOWN OF KYIV REGION**

D.Sc., Associate Prof. **O.V. Zibtseva**  
Ph.D., Associate Prof. **V.V. Minder**  
National University of Bioresources and Nature Management

**6. THERAPEUTIC ASPECTS OF CITY PARKS**

Senior Lecturer **L.I. Kravchenko**  
State Biotechnological University

**7. APPROACHES TO MANAGEMENT IN GARDEN AND PARK FARMING  
UNDER MODERN CONDITIONS**

Ph.D., Associate Prof. **O.P. Pavlishchuk**  
National University of Bioresources and Nature Management

**8. APPLICATION OF ARTIFICIAL NEURAL NETWORKS IN LANDSCAPE  
DESIGN**

Ph.D. **S.M. Podkhovna**  
Berezhny Agrotechnical Institute

**9. MIYAWAKI FORESTS AS AN INNOVATIVE METHOD OF GREENING**

Ph.D., Associate Prof. **S.I. Poznyakova**  
Student **E.N. Zavolodko**  
State Biotechnological University

**10. EXHIBITION AREAS IN THE DENDROLOGY PARK NAMED AFTER  
B.F. OSTAPENKO**

Ph.D., Associate Prof. **S.I. Poznyakova**  
Graduate student **P.M. Matveev**  
State Biotechnological University

**11. MEDICINAL PLANTS IN LANDSCAPING**

Ph.D., Associate Prof. **S.I. Poznyakova**  
**D.Yu. Popova**  
State Biotechnological University

**12. *ECOLOGICAL DESIGN OF HORTICULTURE AND ITS PROSPECTS***

D.Sc., Prof. **N.V. Stoyanets**

Sumy National Agrarian University

**13. *INTRODUCED DENDROLOGY FLORA OF THE BESIDIVSHYNSKY PARK - MONUMENTS OF GARDEN AND PARK ART NAMED AFTER GRIGORY PEREVERY***

Ph.D., Associate Prof. **O.V. Filatova**

Kharkiv Humanitarian and Pedagogical Academy

Senior Lecturer **R.E. Volkova**

Kharkiv National Pedagogical University named after H.S. Skovoroda

D.Sc., Sciences, Prof. **T.M. Hontova**

Ph.D., Associate Prof. **V.V. Mashthaler**

National Pharmaceutical University

**14. *PHYTONICIDAL PLANTS IN INTERIOR LANDSCAPING***

Ph.D. **I.M. Shvidenko**

State Biotechnological University

## PROGRAM

International scientific and practical conference

"FORESTRY, WOODWORKING AND LANDSCAPING:  
STATUS, ACHIEVEMENTS AND PROSPECTS"

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